

829-842

1912 Dates J-BK

THEOPHILUS was Eastern  
Emperor. He was in  
constant exec. with the  
Caliphs

To facilitate Cal-Calculation and practical  
Astronomy, Caliph al-Ma'mun ordered  
an observatory built in Baghdad  
and one soon after outside Damascus.  
Astronomes also set up a network of  
observation points across the empire  
that allowed them to conduct experiments  
to determine size & circumference of the  
world which Arabs assumed was round.

Taking measurements on a plain north  
of Euphrates and near Palmyra

Astronomers were able to calculate the  
width of a degree of meridian and come  
up with  $56 \frac{2}{3}$  Arabic miles. This is  
just 2,877 feet wider than the actual  
degree.

829

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Franks under Carolingians  
there was a new division of the  
empire:

Karl, youngest son of Ludwig  
was given the royal title  
and ALAMANIA-

Rebellion of three elder  
sons of Ludwig. Civil war ensued.

829

The Caliph Ma'mun built a  
splendid observatory in Bagdad (829)  
and his astronomers made regular  
observations of the heavens